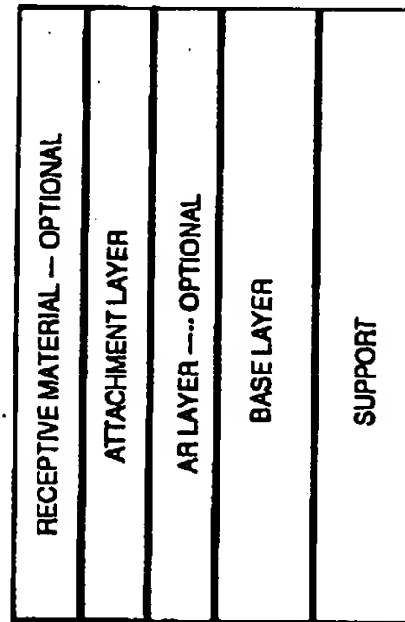


**FIGURE 1**  
**CHANNEL - CONTAINING OPTICAL DEVICE COMPONENTS**



OPTICALLY FUNCTIONAL LAYER

## FIGURE 2

### SUPPORT FEATURES AND OPTICALLY FUNCTIONAL LAYER

FIGURE 2A:



FIGURE 2B:

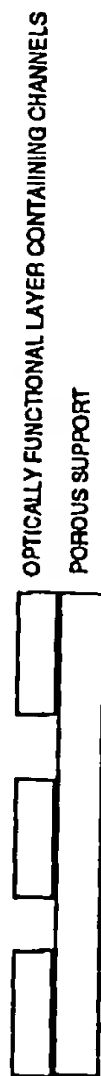
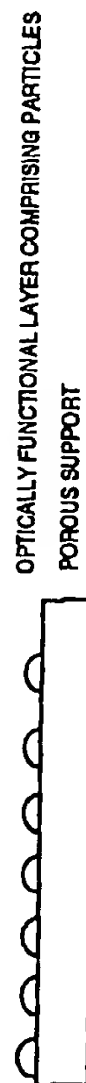
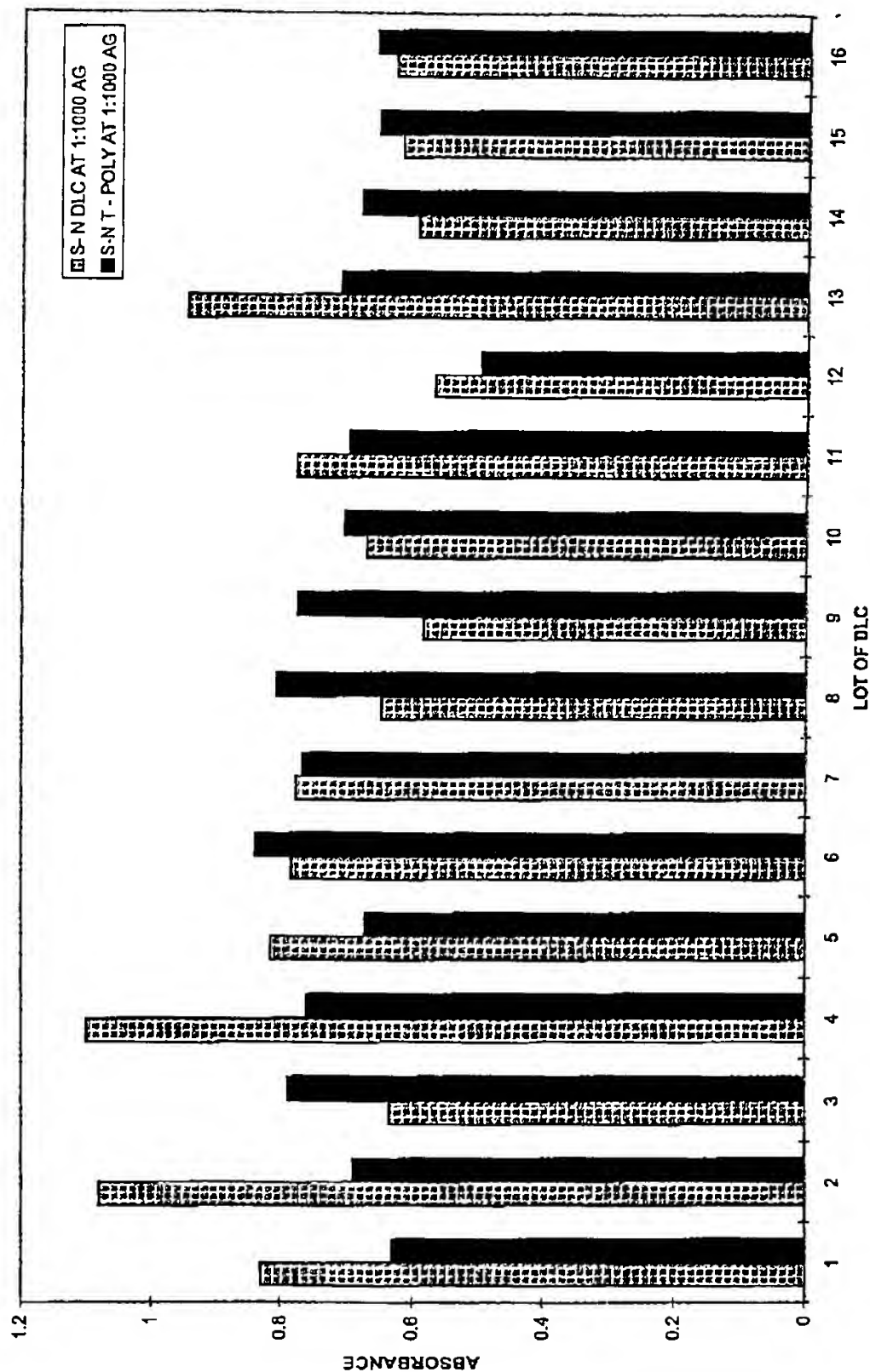


FIGURE 2C:



# COMPARISON OF DLC TO T - POLYMER FOR CAPTURE OF LPS AT 1:1000 DILUTION OF LPS

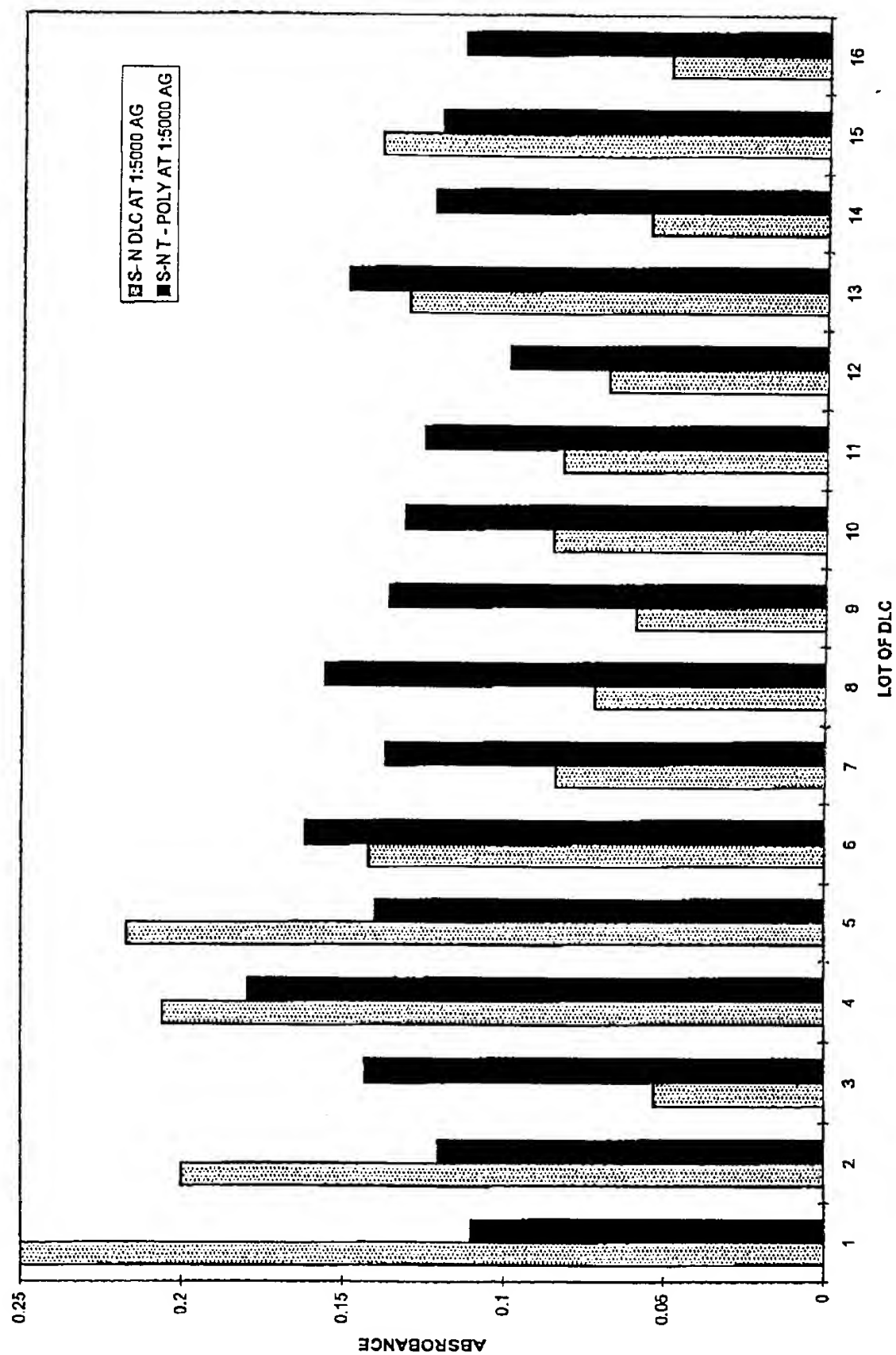
Figure 3



S - N = SIGNAL - NOISE (BACKGROUND), ABSORBANCE READING FOR TMB SUBSTRATE TURNOVER

Figure 4

COMPARISON OF DLC TO T - POLYMER FOR CAPTURE OF 1:5000 DILUTION OF LPS



S - N = SIGNAL - NOISE (BACKGROUND), ABORRANCE= READING FOR TMB SUBSTRATE TURNOVER